



Another step towards safer chemicals by 2020

Coming soon...

<http://echa.europa.eu/information-on-chemicals>

120 000 substances classified
14 000 substances registered
163 substances of very high concern
64 restrictions

One access point

Infocard

Substance Infocard

Chromium (VI) trioxide

↓ Other names: [IUPAC names \[18\]](#)

[Regulatory processes names \[3\]](#)

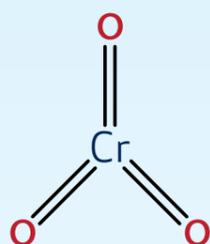
[Trade names \[5\]](#)

↓ Groups: 



Substance identity

EC no: 215-607-8
CAS no: 1333-82-0
Mol. formula: CrO₃



Hazard classification & labelling



Danger! According to the [Harmonised Classification and Labelling](#) approved by the European Union, this is fatal if inhaled, is very toxic to aquatic life with long lasting effects, causes damage to organs through prolonged or repeated exposure, is very toxic to aquatic life, may cause cancer, causes severe skin burns and eye damage, may cause genetic defects, is toxic if swallowed, is toxic in contact with skin, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility, may cause allergy or asthma symptoms or breathing difficulties if inhaled and may cause an allergic skin reaction.

Additionally, the classification provided by companies to ECHA in [REACH registrations](#) identifies that this substance is fatal in contact with skin and is very toxic to aquatic life.

Hazardous effects



Important to know

- Substance of very high concern (SVHC) and included in the [candidate list for authorisation](#).
- Substance of very high concern requiring authorisation before it is used ([Annex XIV of REACH](#)).

About this substance

This substance is manufactured and/or imported in the European Economic Area in 10,000 to 100,000 tonnes per year. ECHA has no registered data indicating the type of article into which the substance has been processed.

This substance is used in the following products: pH regulators and water treatment products, non-metal-surface treatment products, metal surface treatment products, laboratory chemicals and adsorbents. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

This substance is used in the following areas: formulation of mixtures and/or re-packaging.

This substance is used for the manufacture of: chemicals, plastic products and fabricated metal products.

Release to the environment of this substance is likely to occur from industrial use: as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid, manufacturing of the substance, formulation of mixtures, formulation in materials, in processing aids at industrial sites and in the production of articles.

Other release to the environment of this substance is likely to occur from: indoor use (e.g. machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners).

How to use it safely

- [Precautionary measures](#) suggested by manufacturers and importers of this substance.
- [Guidance on the safe use](#) of the substance provided by manufacturers and importers.